

WO 03/082211

PCT/US03/09629

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FIG.1A

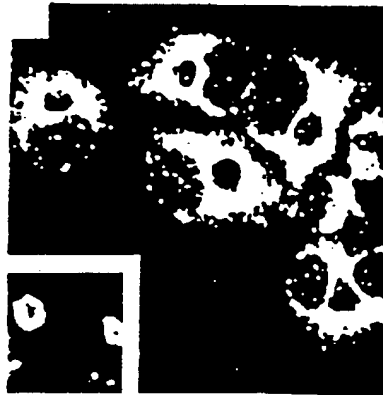


FIG.1B

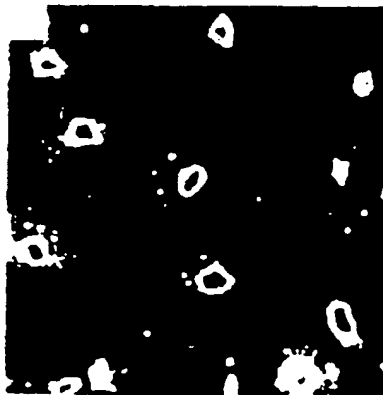
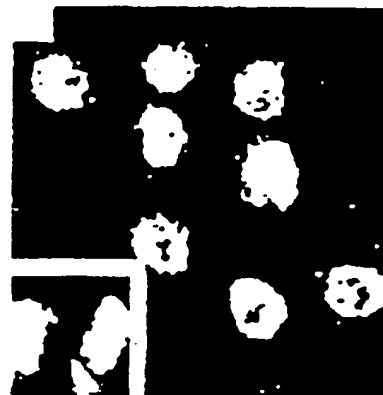
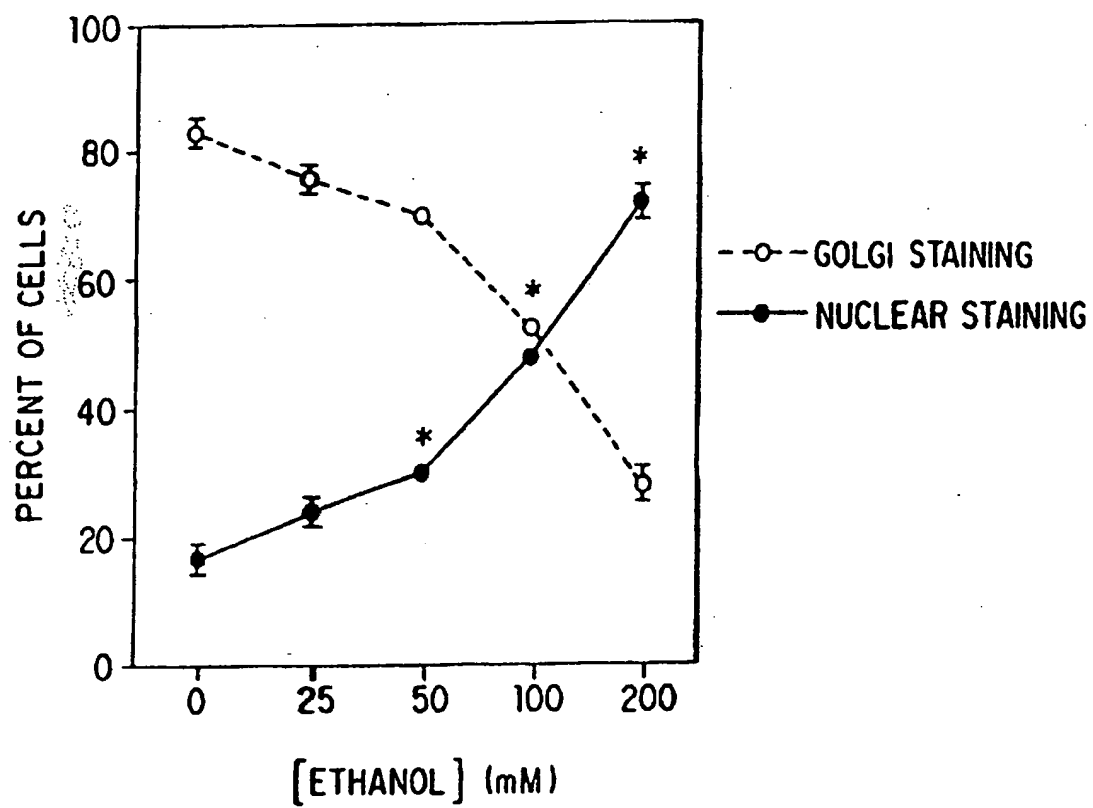


FIG.1C



FIG.1D

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**Fig. 2**

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**CONTROL**



**FIG.3A**

**ETHANOL**



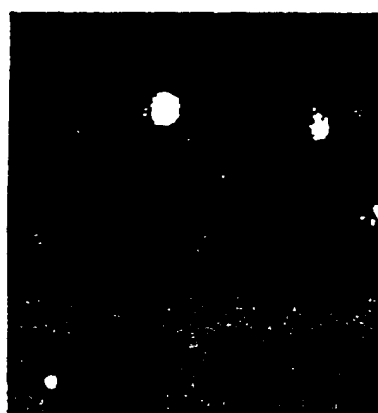
**FIG.3B**

**PGE<sub>1</sub>**



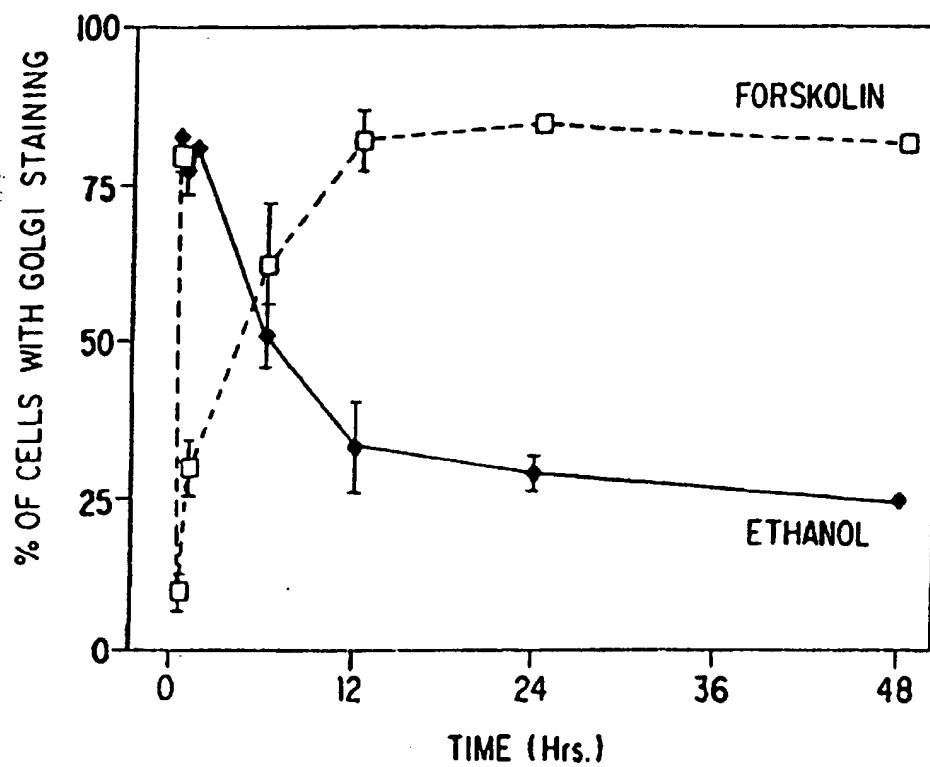
**FIG.3C**

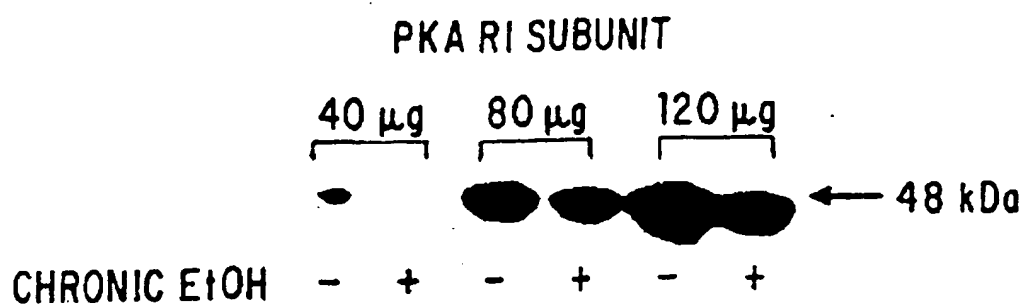
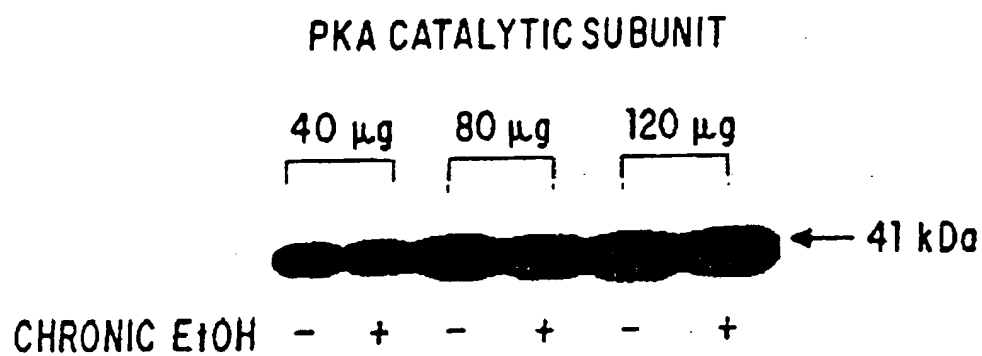
**FORSKOLIN**



**FIG.3D**

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**Fig. 4**

**5/34****Fig. 5A****Fig. 5B**

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PKC  $\delta$

CONTROL



FIG.6A

EtOH  
200 mM

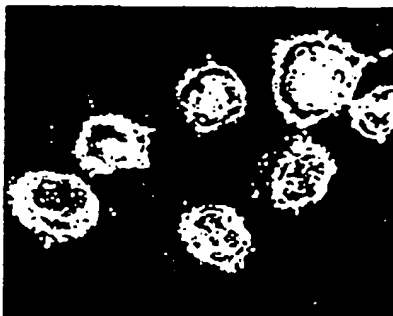


FIG.6B

PMA

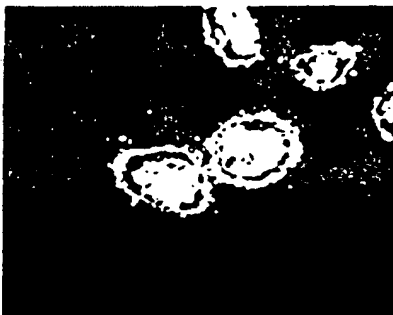


FIG.6C

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PKC $\delta$

CONTROL

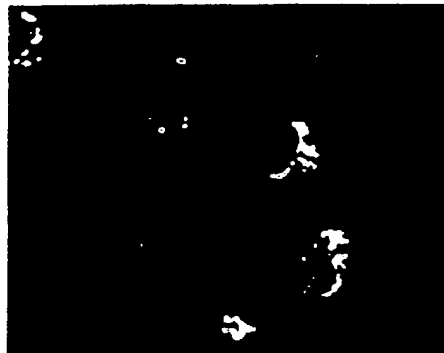


FIG. 7A

EtOH  
25 mM



FIG. 7B

Pre.



FIG. 7C

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PKC  $\epsilon$

CONTROL



FIG.8A

EtOH  
200 mM



FIG.8B

PMA

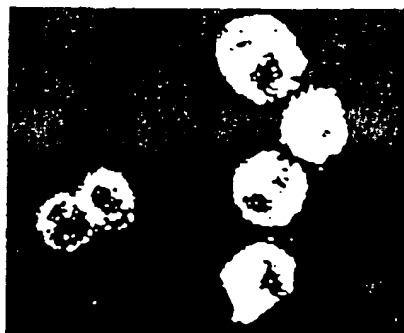


FIG.8C



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PKC  $\epsilon$

CONTROL



FIG.9A

EtOH  
25 mM



FIG.9B

Pre.

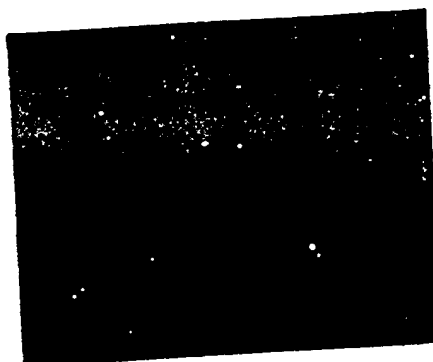


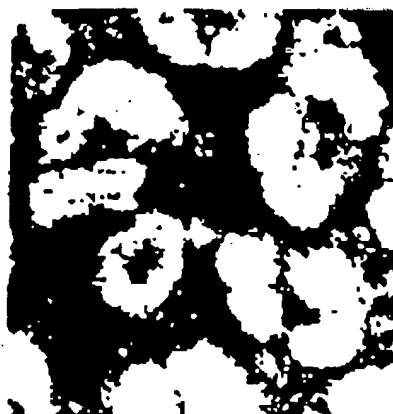
FIG.9C

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Control

FIG. 10A



Alcoholic

FIG. 10B



Control + EtOH

FIG. 10C



Alcoholic + EtOH

FIG. 10D

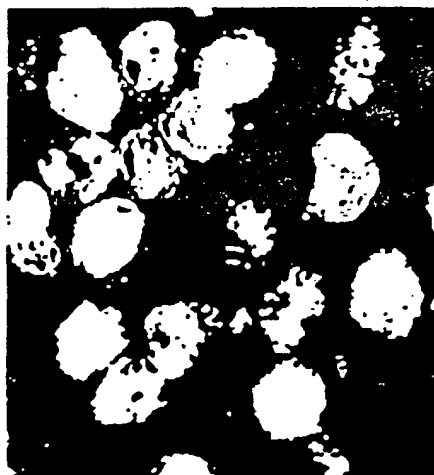
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Normal control  
PKA Cat.  $\alpha$  mainly cytoplasm



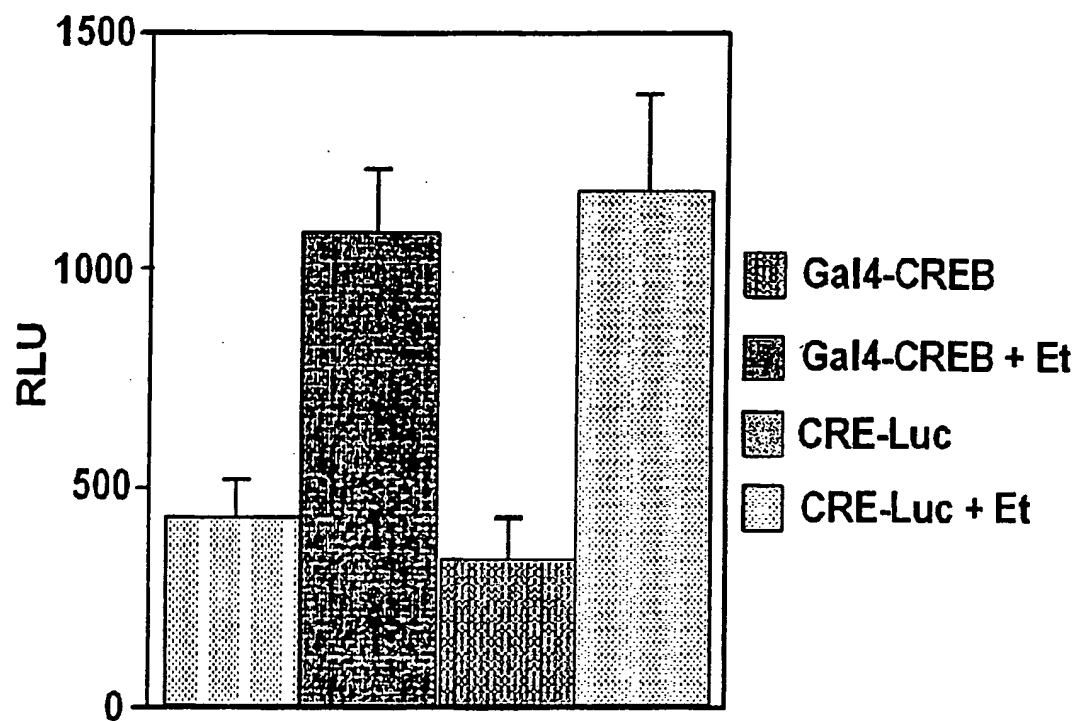
**Fig. 11A**

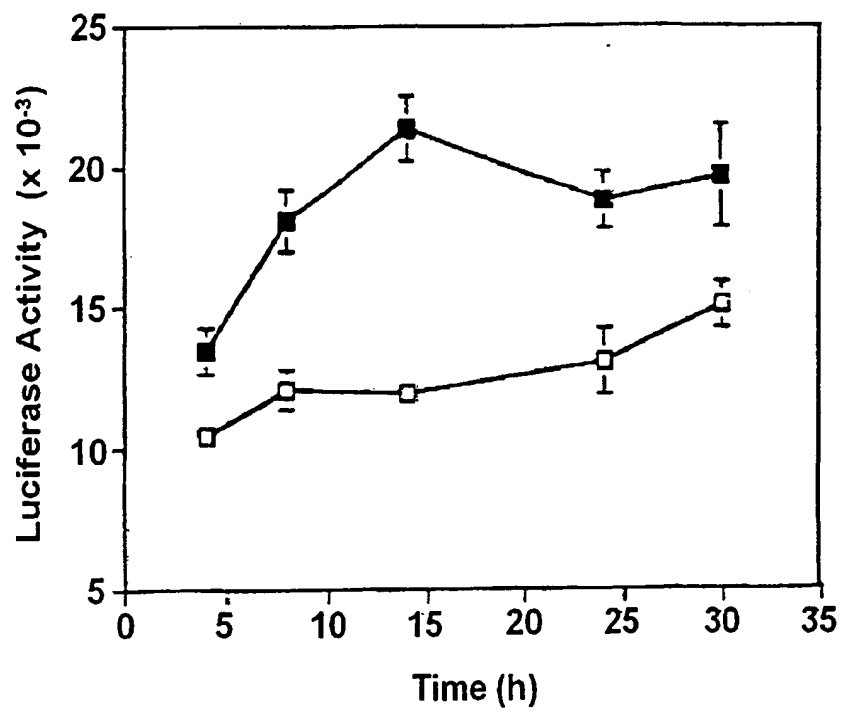
Alcoholic  
PKA Cat.  $\alpha$  is mainly in the nucleus

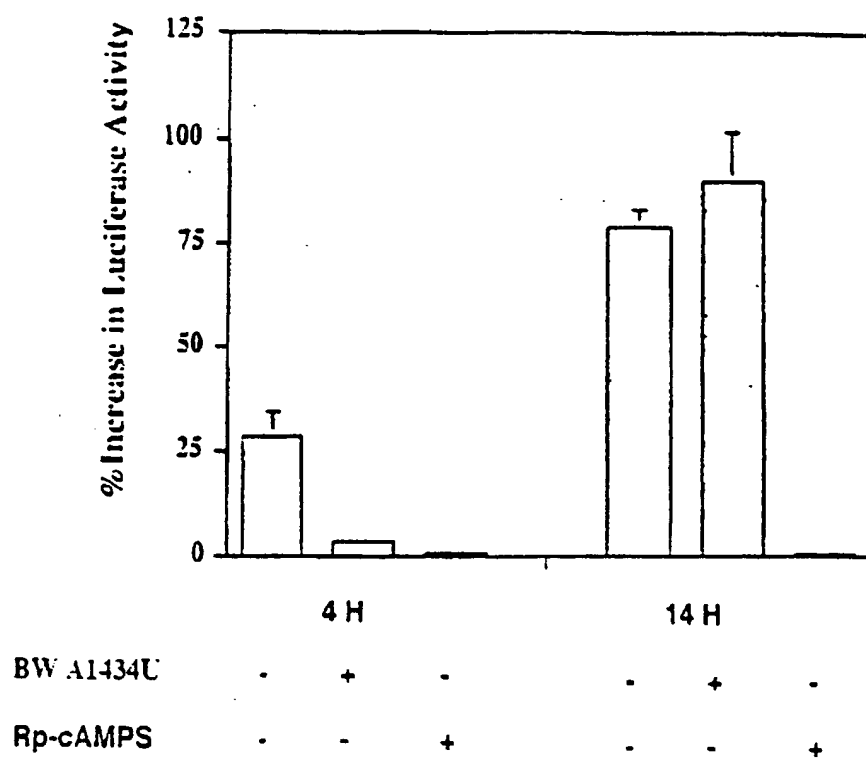


**Fig. 11B**

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*Fig. 12*

**13/34****Fig. 13**

**14/34****Fig. 14**

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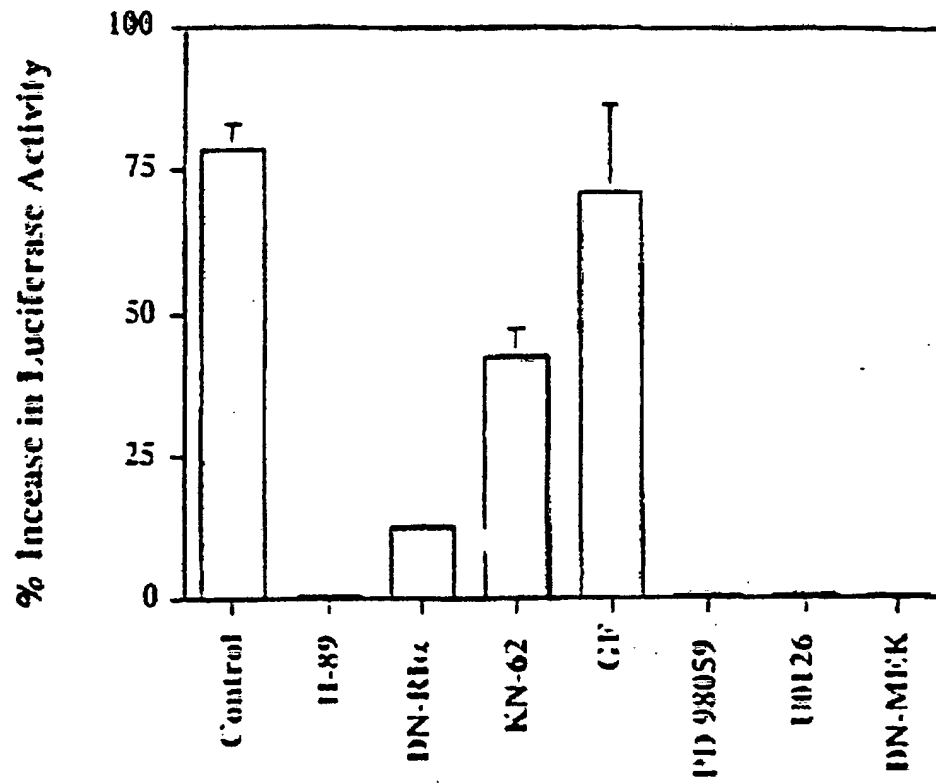
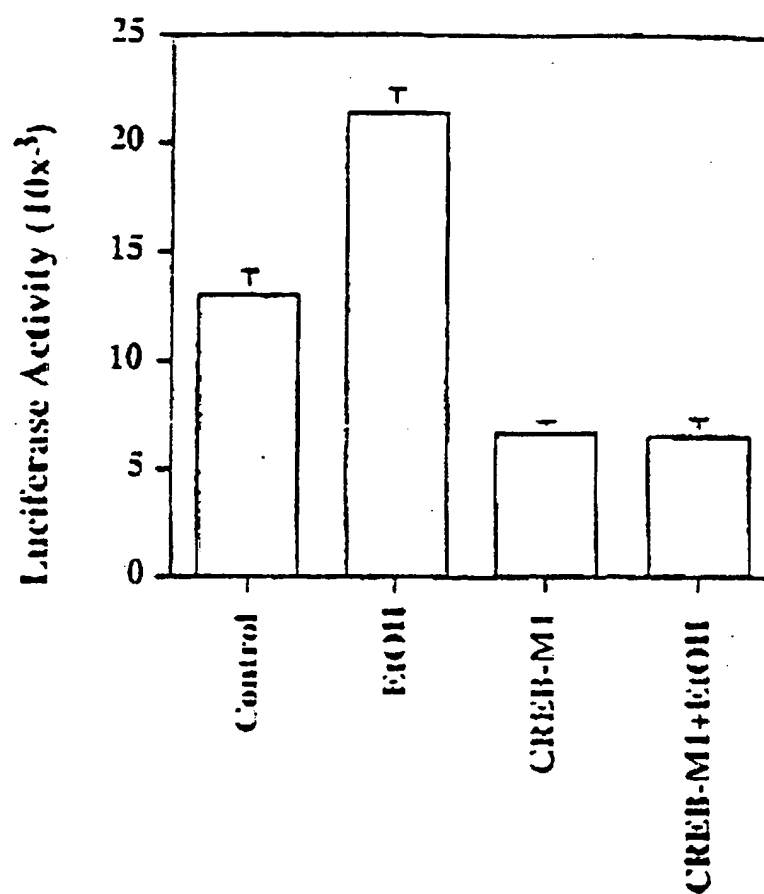


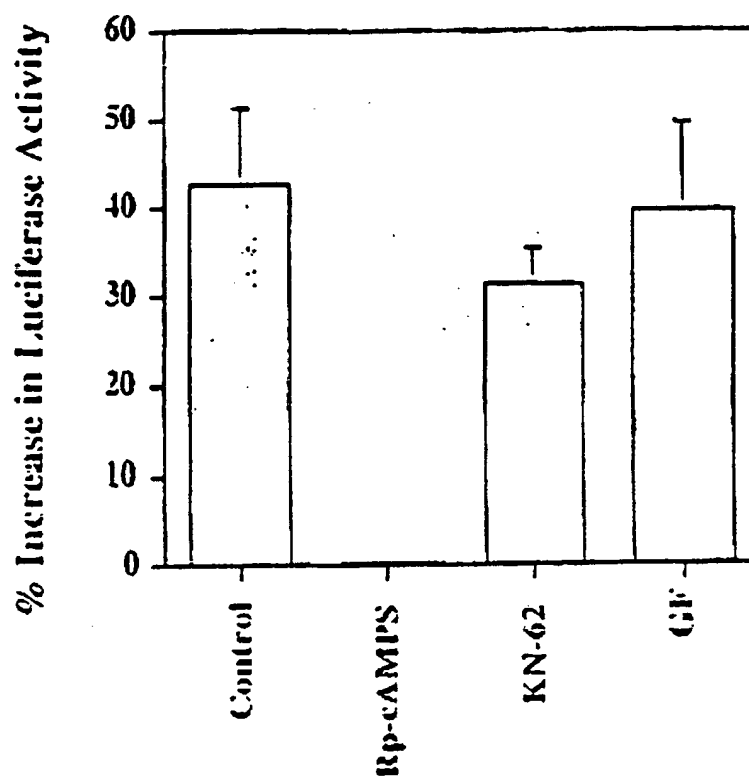
Fig. 15

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*Fig. 16A*



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**Fig. 16B**

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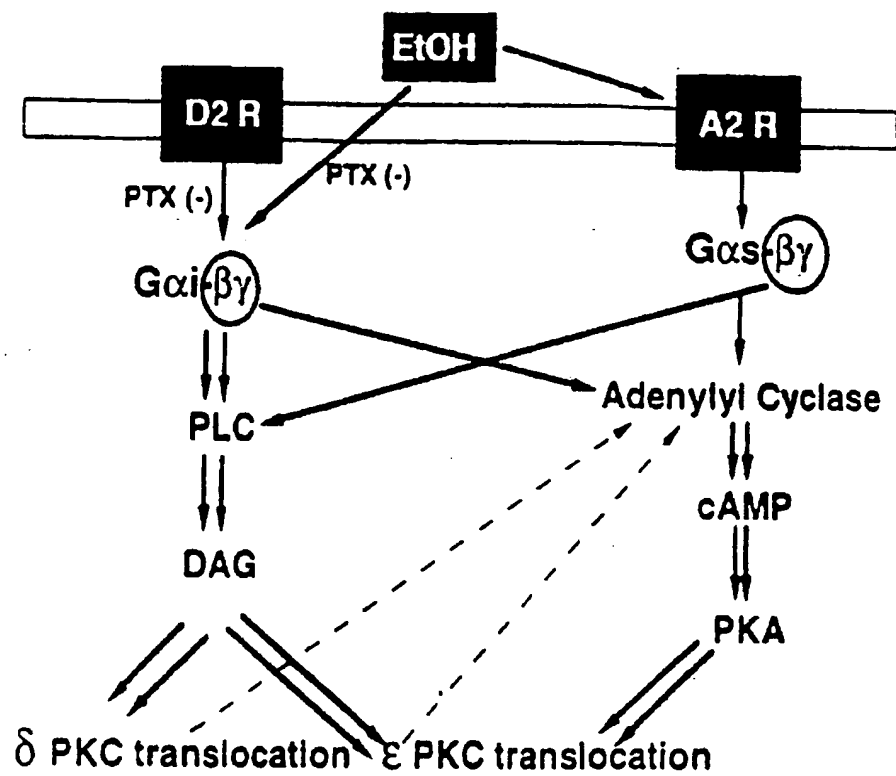
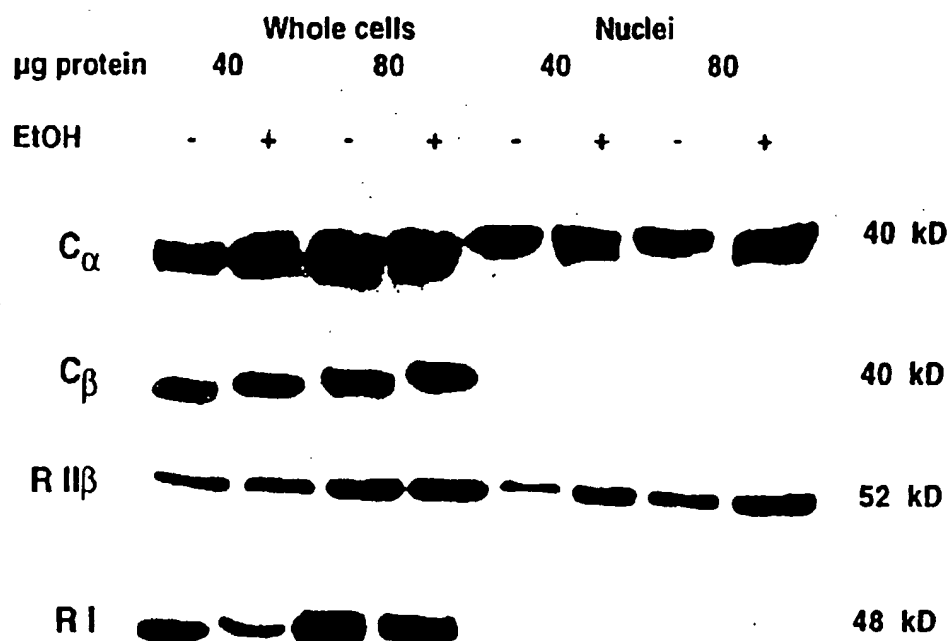
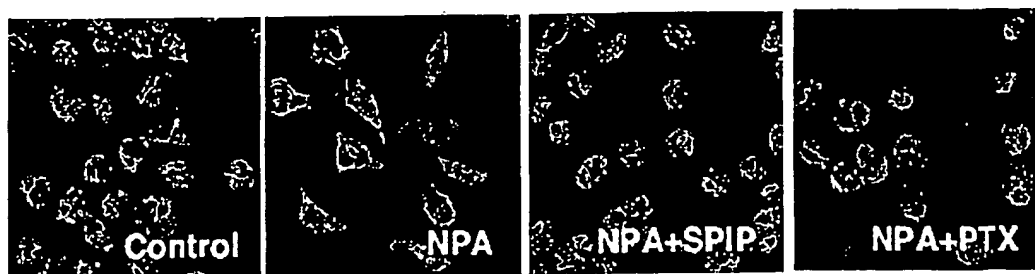


Fig. 17

**19/34****Fig. 18**

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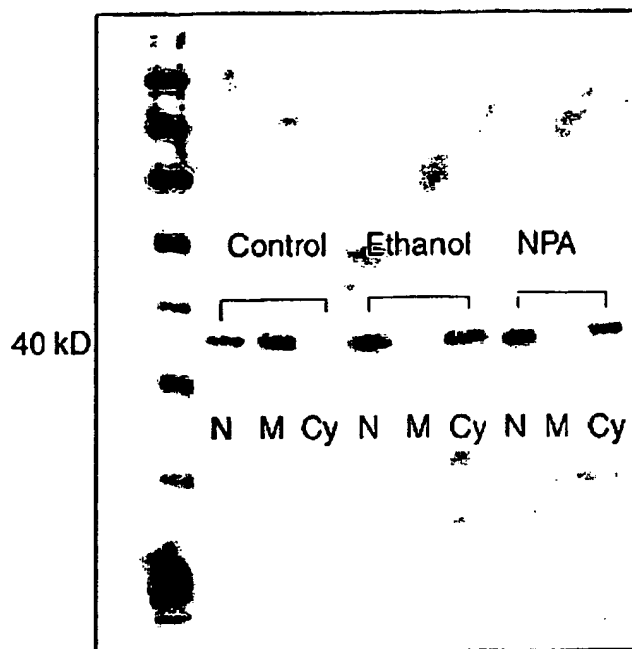
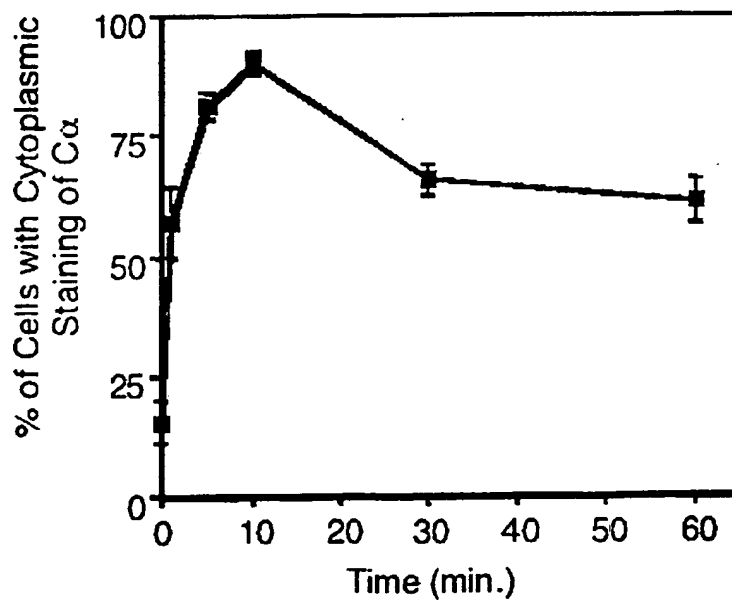


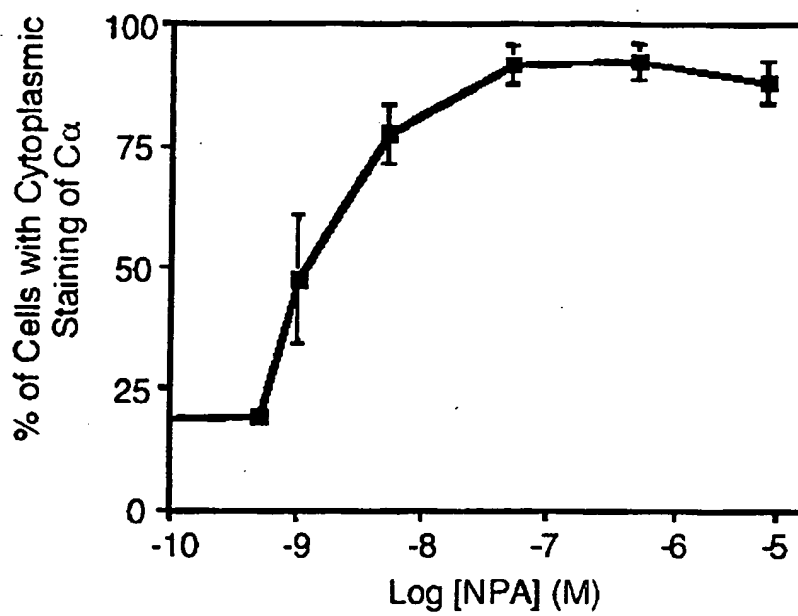
**Fig. 19A**



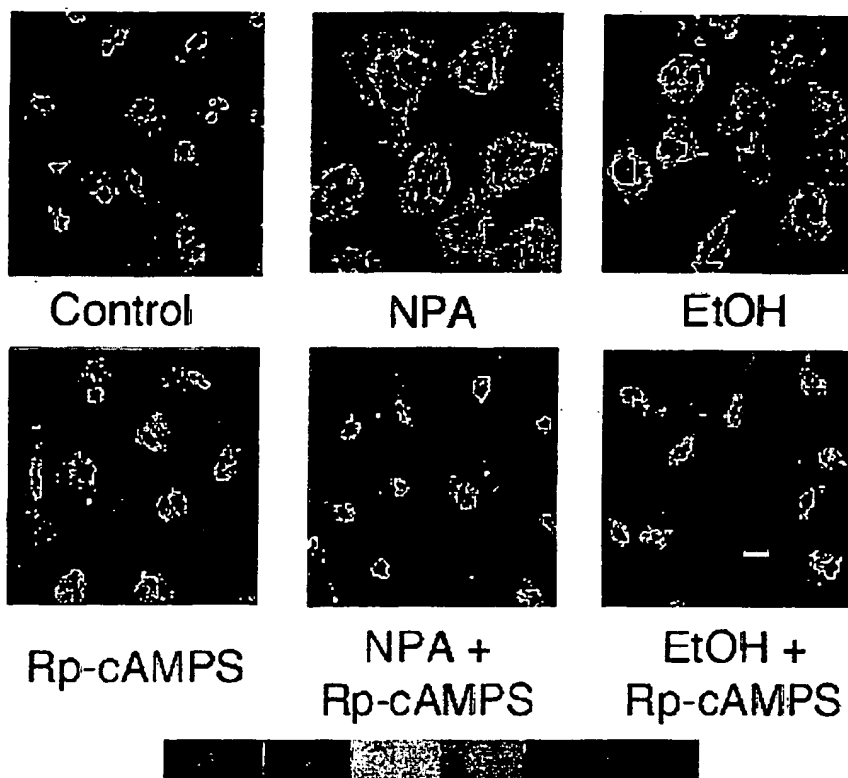
**Fig. 19B**

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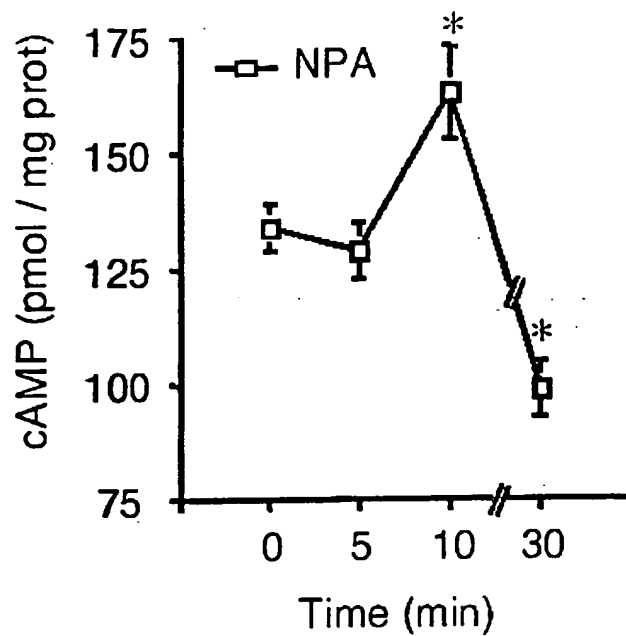
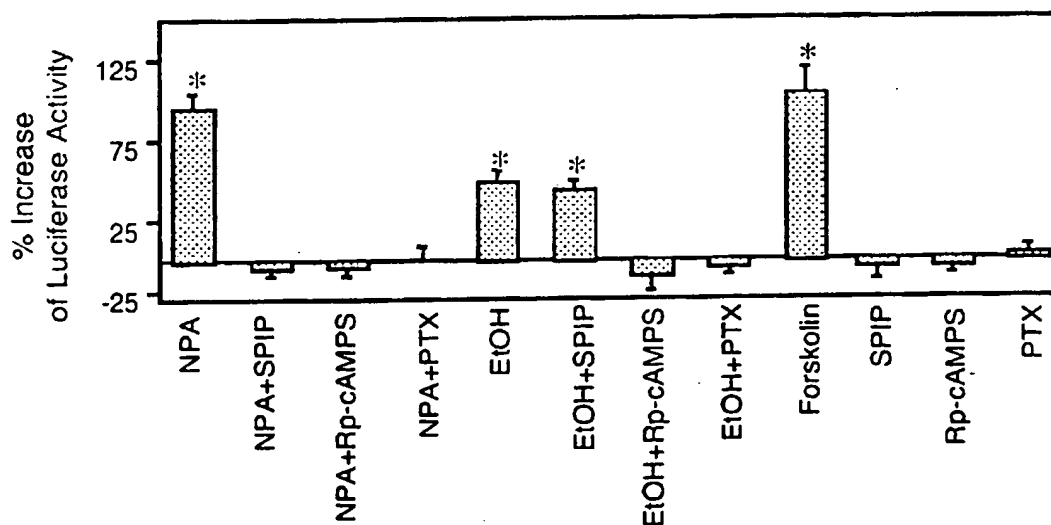
*Fig. 19C**Fig. 19D*

**22/34****Fig. 19E**

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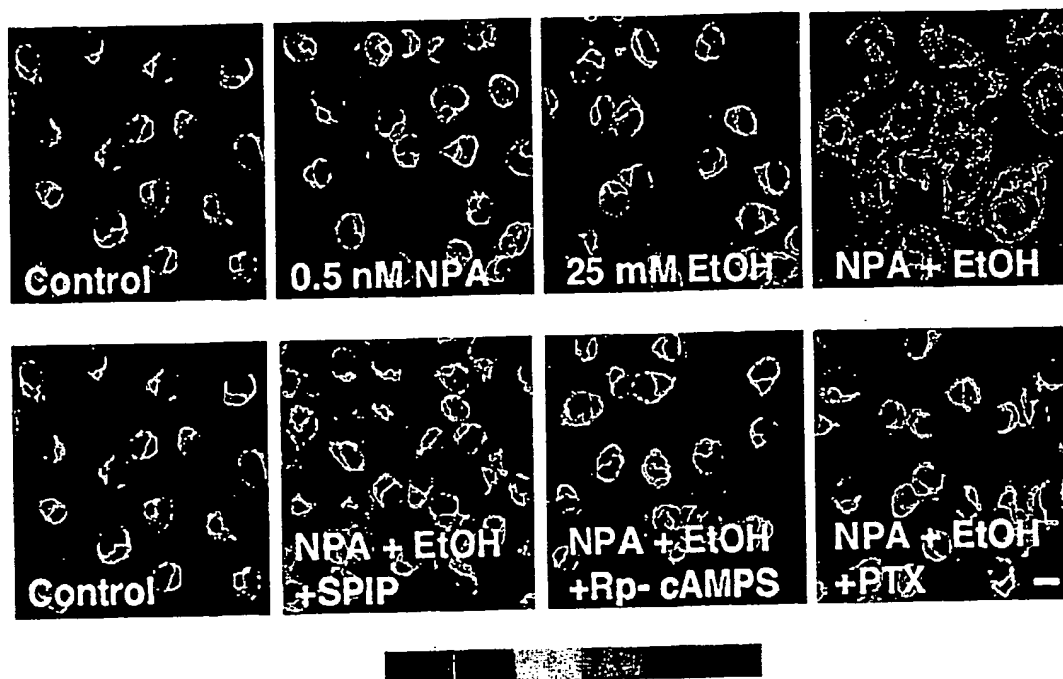


**Fig. 20A**

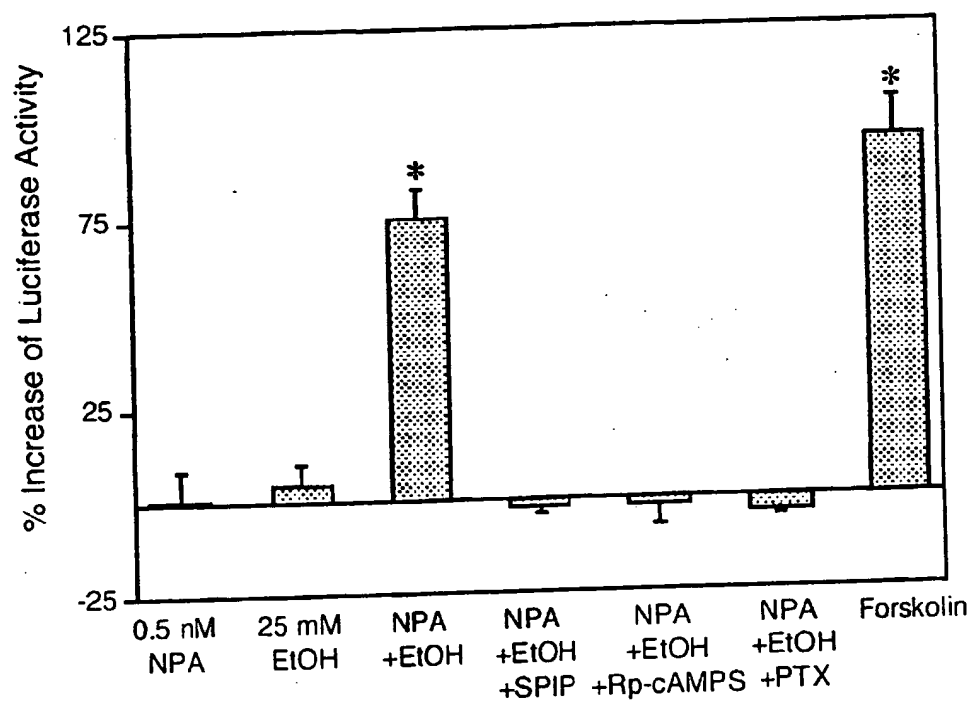
**24/34****Fig. 20B****Fig. 20C**



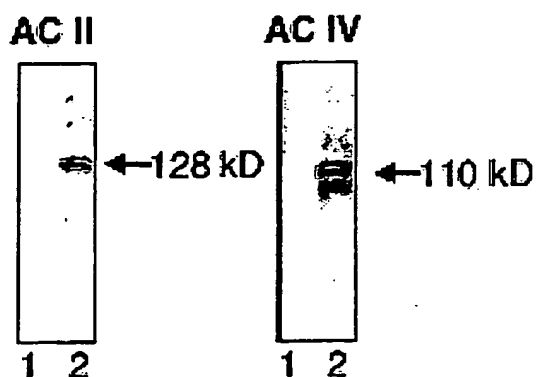
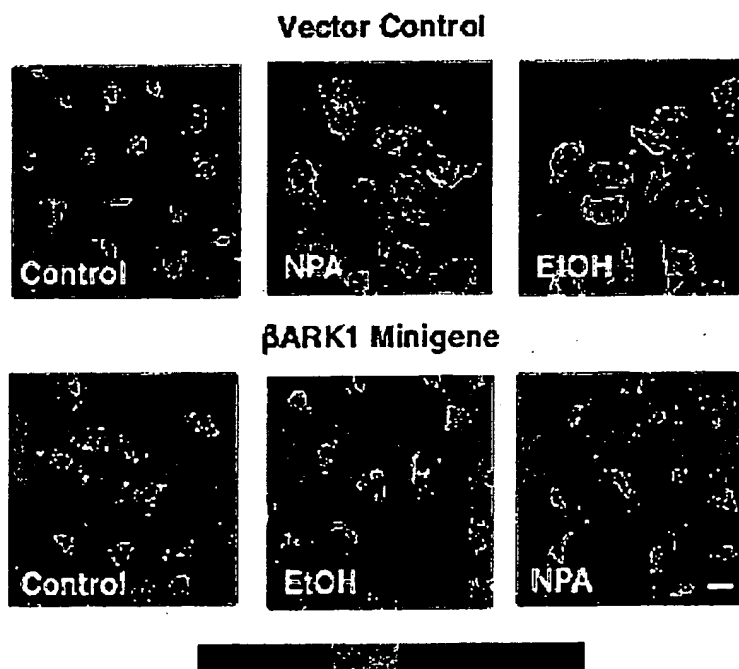
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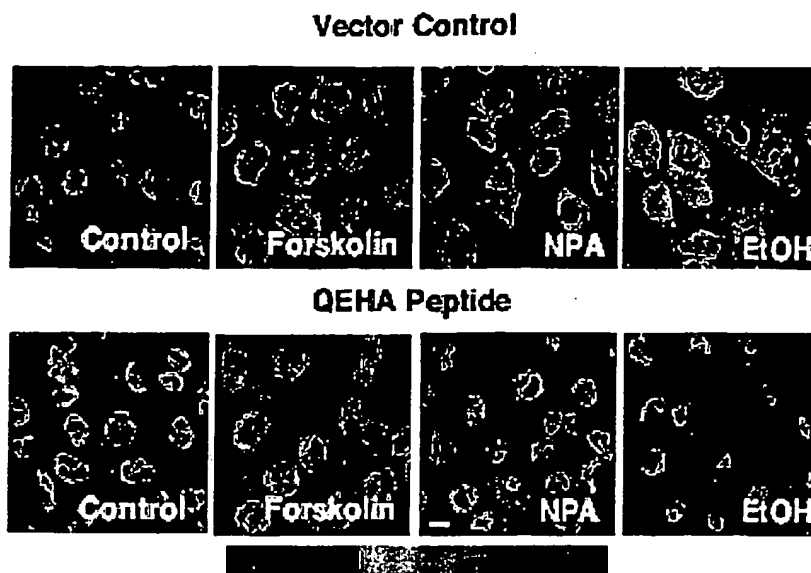
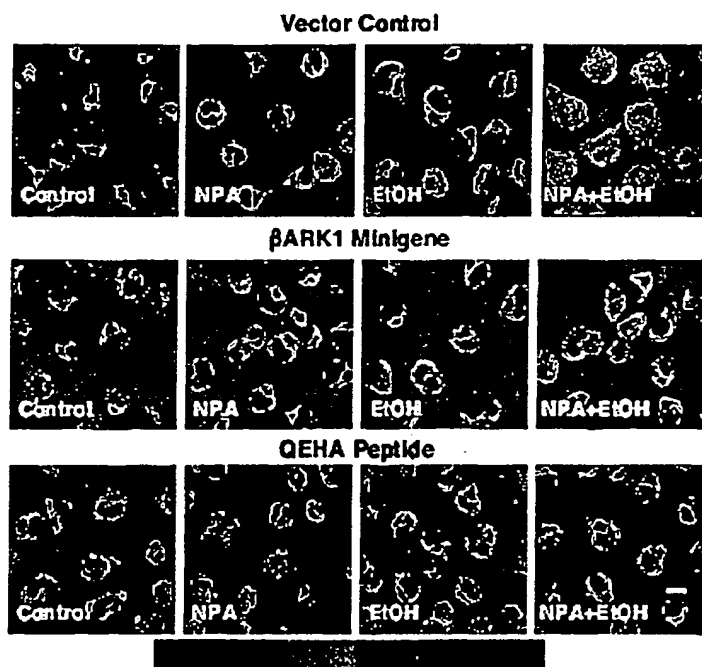


**Fig. 21A**

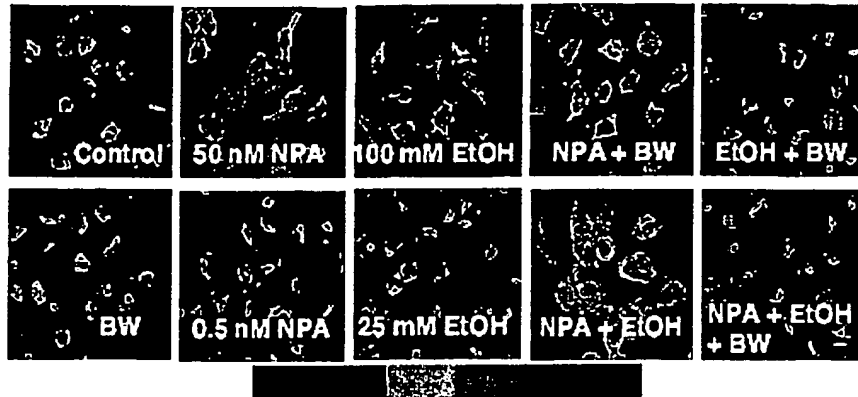
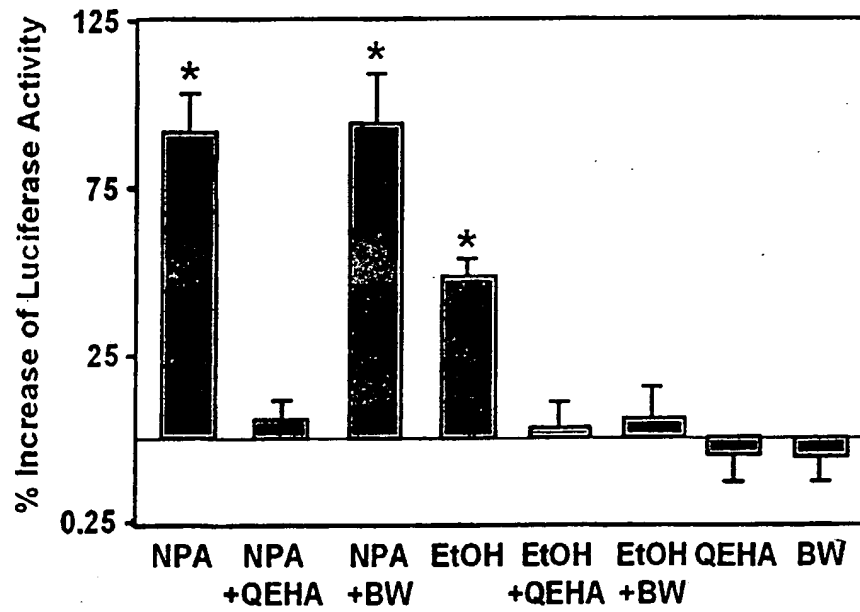
**26/34****Fig. 21B**

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*Fig. 22A**Fig. 22B*

**28/34****Fig. 22C****Fig. 22D**

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*Fig. 22E**Fig. 22F*

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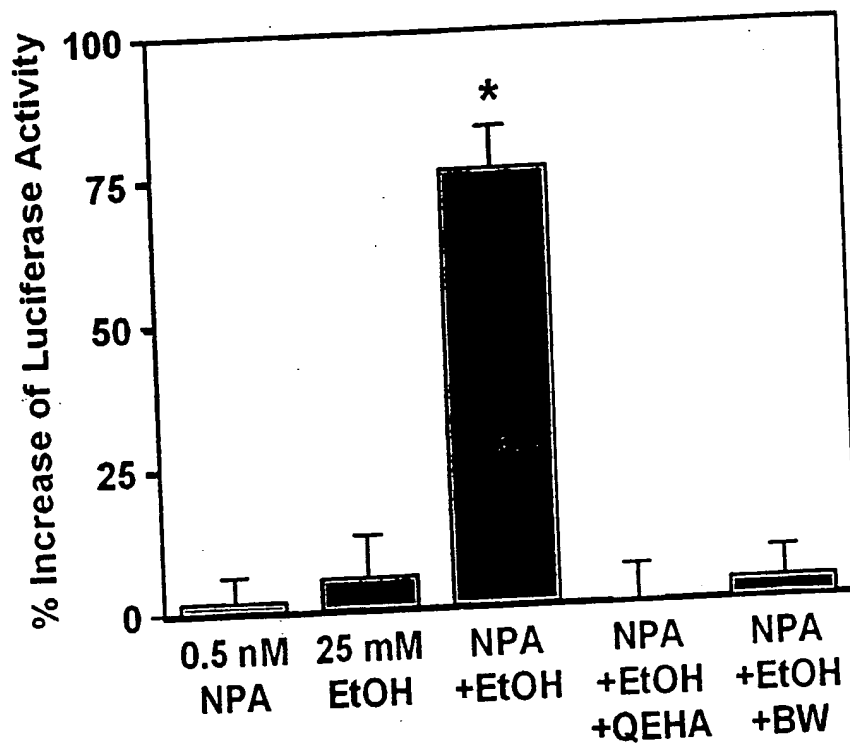
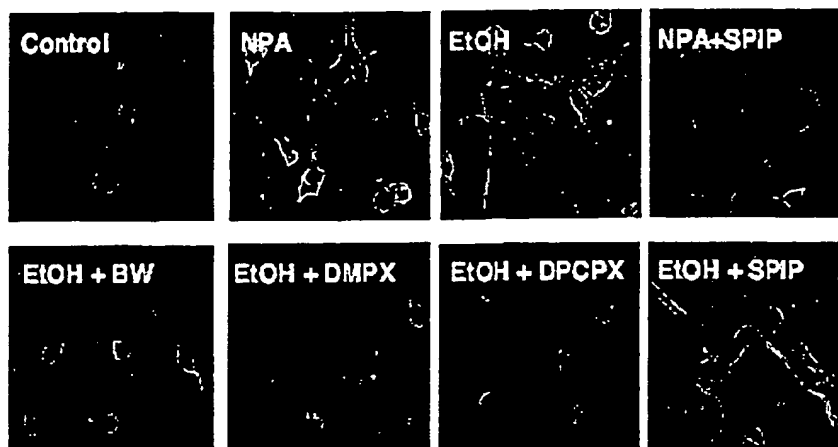
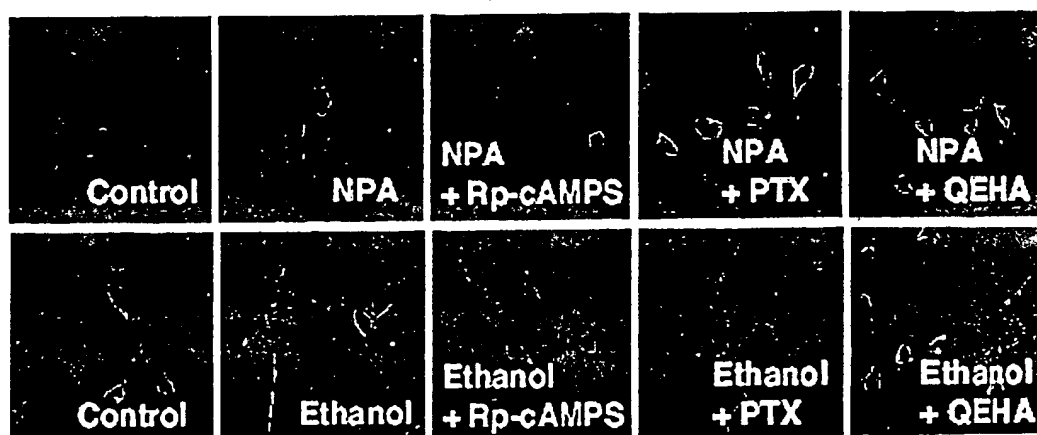


Fig. 22G

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**Fig. 23A**



**Fig. 23B**

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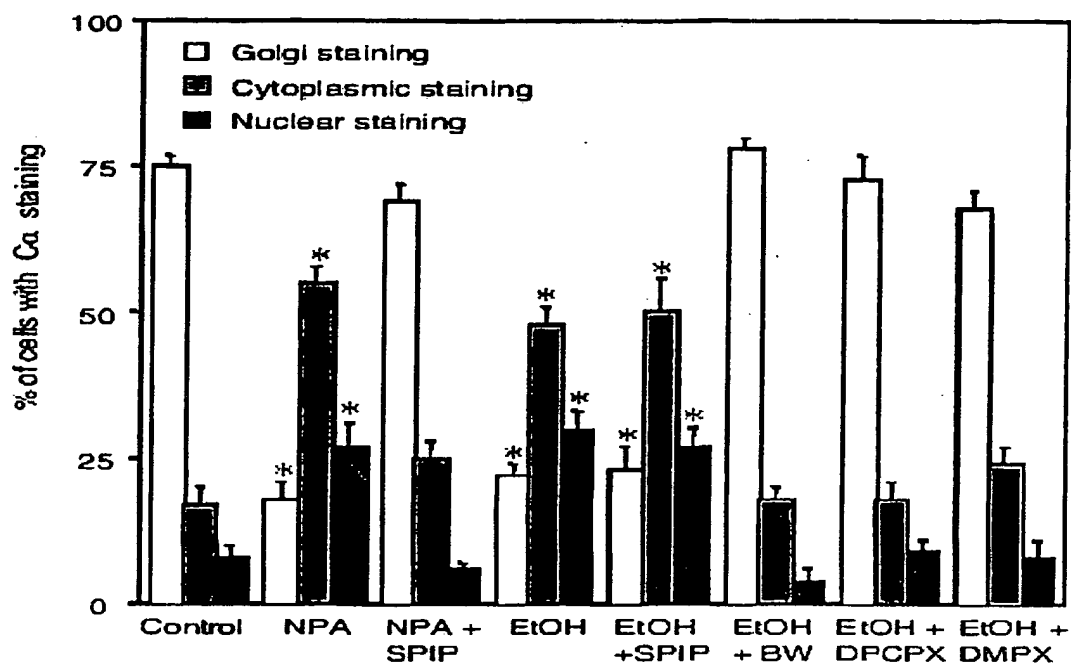


Fig. 23 C

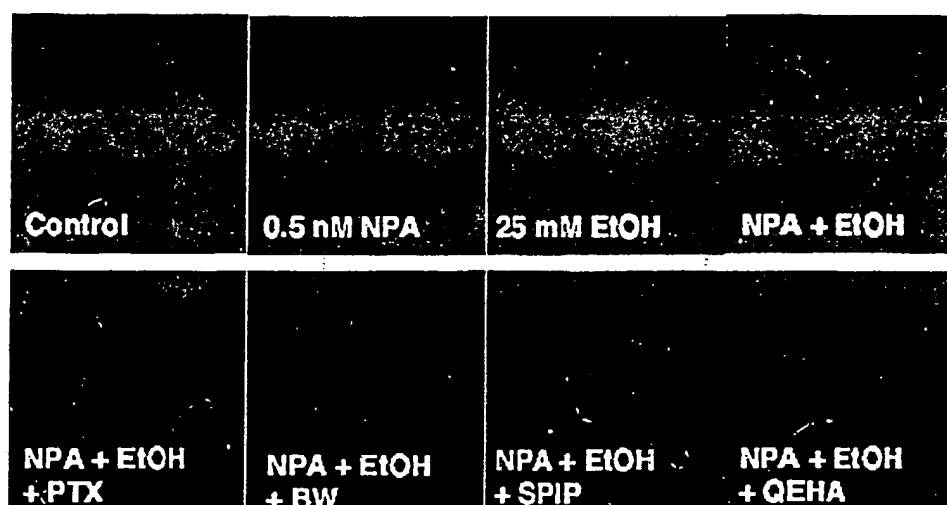
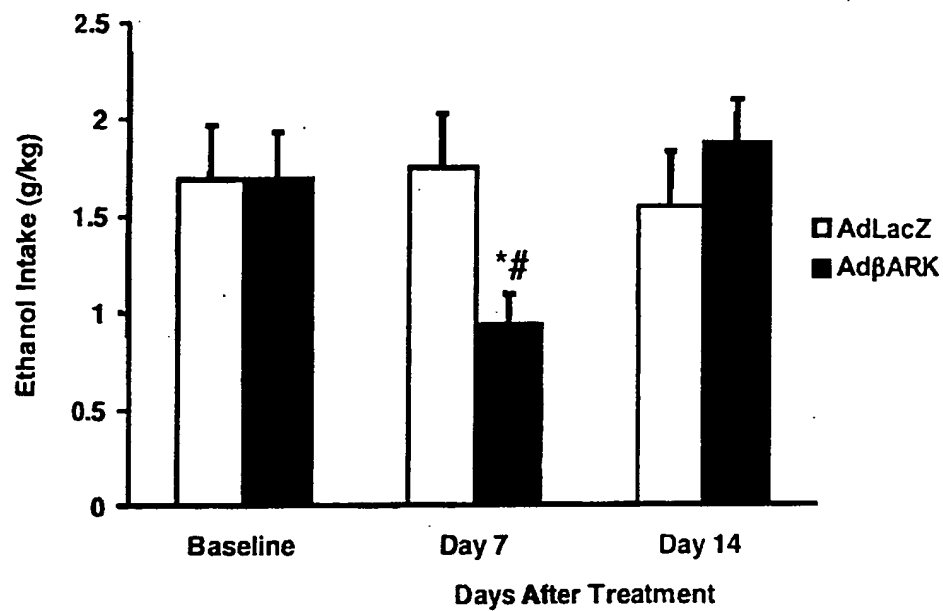
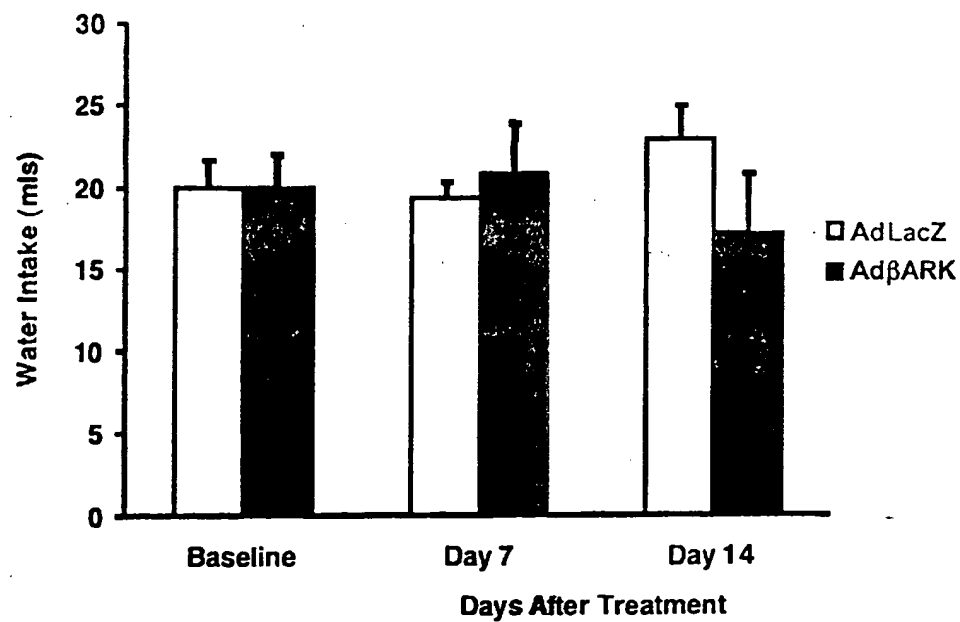


Fig. 23D



**33/34****Fig. 24A****Fig. 24B**

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## Synergy of PKA Signaling

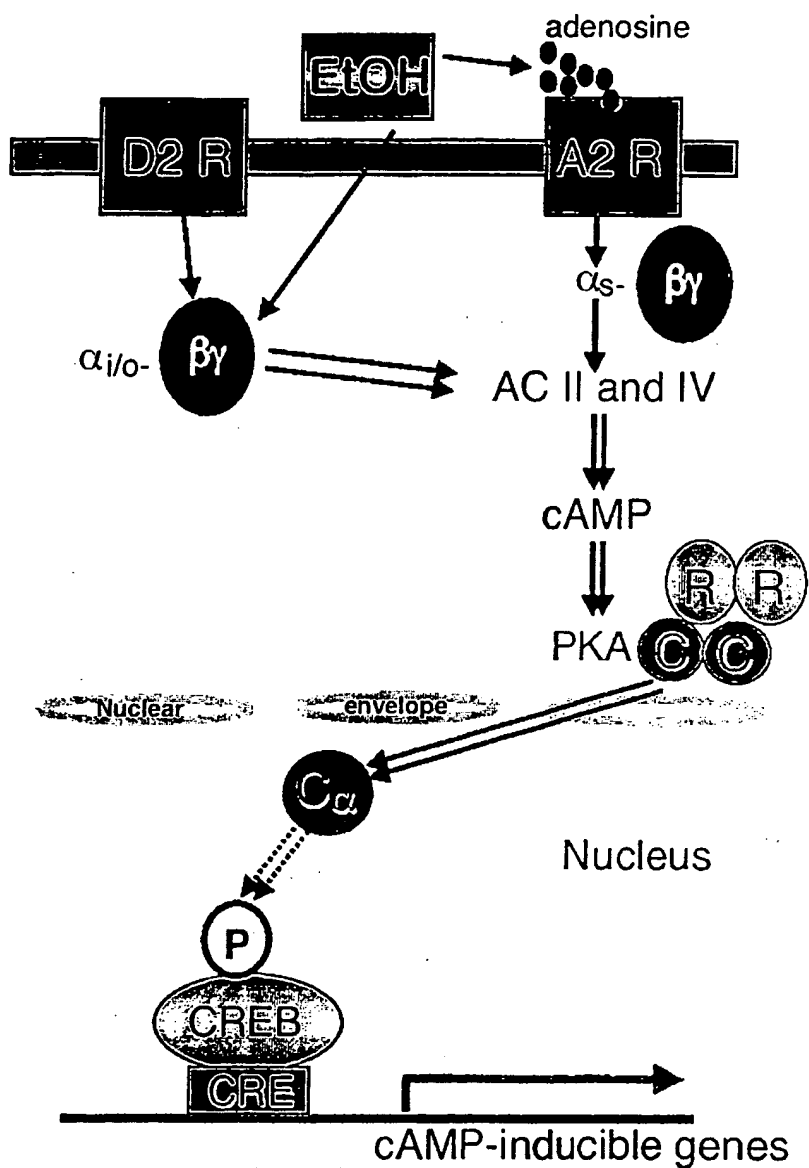


Fig. 25